

- Sub A7.*
1. A protective cover for a concrete reinforcing bar comprising:  
a collar structure defining a perimeter portion, said collar structure  
further defining an open end for receiving the end of a rebar;  
a cap portion oriented substantially perpendicularly to said collar  
structure;  
said cap portion comprising a barrier plate defining an exposed  
upper surface of the cover.
  2. A protective cover as in claim 1 wherein said cap portion  
comprises a laterally extending portion extending radially outwardly from said  
perimeter portion and located beneath said barrier plate.
  3. A protective cover as in claim 1 wherein said barrier plate includes  
apertures and the material of said cap portion extends through said apertures  
to define connector portions extending between said cap portion and said  
exposed upper surface.
  4. A protective cover as in claim 3 wherein said connector portions  
terminate in enlarged head portions located on said exposed upper surface.
  5. A protective cover as in claim 1 wherein said barrier plate  
comprises an impact resistant material capable of resisting penetration by the  
end of a rebar located in said collar structure.

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6. A protective cover as in claim 5 wherein said barrier plate comprises a metal plate.
7. A protective cover as in claim 6 wherein said barrier plate comprises a steel plate.
8. A protective cover as in claim 5 wherein said barrier plate comprises a Kevlar plate.
9. A protective cover as in claim 1 wherein said barrier plate defines an exposed lower surface within an area defined by said perimeter portion.
10. A protective cover as in claim 1 wherein said barrier plate comprises a curved plate.
11. A protective cover as in claim 1 wherein said barrier plate comprises a quadrilateral shape.
12. A protective cover as in claim 11 wherein said barrier plate is formed with a double curvature.

13. A protective cover as in claim 1 wherein said barrier plate defines an outer edge and said cap portion extends around said outer edge and defines a flange portion extending onto said exposed upper surface adjacent to said outer edge.
  14. A protective cover as in claim 1 wherein said collar structure comprises a pair of concentric collar members.
  15. A protective cover as in claim 14 wherein said pair of collar members comprises an inner collar member and an outer collar member spaced from said inner collar member by a plurality of ribs.

16. A protective cover for a concrete reinforcing bar comprising:  
a collar structure defining a perimeter portion, said collar structure  
further defining an open end for receiving the end of a rebar;  
a cap portion oriented substantially perpendicularly to said collar  
structure;
- said cap portion comprising a barrier plate defining an exposed  
upper surface of the cover; and
- a reinforcing plate disposed adjacent a lower surface of said  
barrier plate.
17. A protective cover as in claim 16 wherein said cap portion  
comprises a laterally extending portion extending radially outwardly from said  
perimeter portion and located beneath said barrier plate.
18. A protective cover as in claim 16 wherein said barrier plate  
includes apertures and the material of said cap portion extends through said  
apertures to define connector portions extending between said cap portion and  
said exposed upper surface.
19. A protective cover as in claim 18 wherein said connector portions  
terminate in enlarged head portions located on said exposed upper surfaces.

20. A protective cover as in claim 16 wherein said barrier plate comprises an impact resistant material capable of resisting penetration by the end of a rebar located in said collar structure.
21. A protective cover as in claim 20 wherein said barrier plate comprises a metal plate.
22. A protective cover as in claim 21 wherein said barrier plate comprises a steel plate.
23. A protective cover as in claim 20 wherein said barrier plate comprises a Kevlar plate.
24. A protective cover as in claim 20 wherein said reinforcing plate comprises a metal plate.
25. A protective cover as in claim 24 wherein said reinforcing plate comprises a steel plate.
26. A protective cover as in claim 16 wherein said reinforcing plate defines an exposed lower surface within an area defined by said perimeter portion.

27. A protective cover as in claim 16 wherein said barrier plate comprises a curved plate.
28. A protective cover as in claim 16 wherein said barrier plate comprises a quadrilateral shape.
29. A protective cover as in claim 28 wherein said barrier plate is formed with a double curvature.
30. A protective cover as in claim 16 wherein said barrier plate comprises a curved plate.
31. A protective cover as in claim 16 wherein said reinforcing plate comprises a quadrilateral shape.
32. A protective cover as in claim 31 wherein said barrier plate is formed with a double curvature.
33. A protective cover as in claim 16 wherein said barrier plate defines an outer edge and said cap portion extends around said outer edge and defines a flange portion extending onto said exposed upper surface adjacent to said outer edge.

34. A protective cover as in claim 16 wherein said reinforcing plate is mounted to said barrier plate.

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